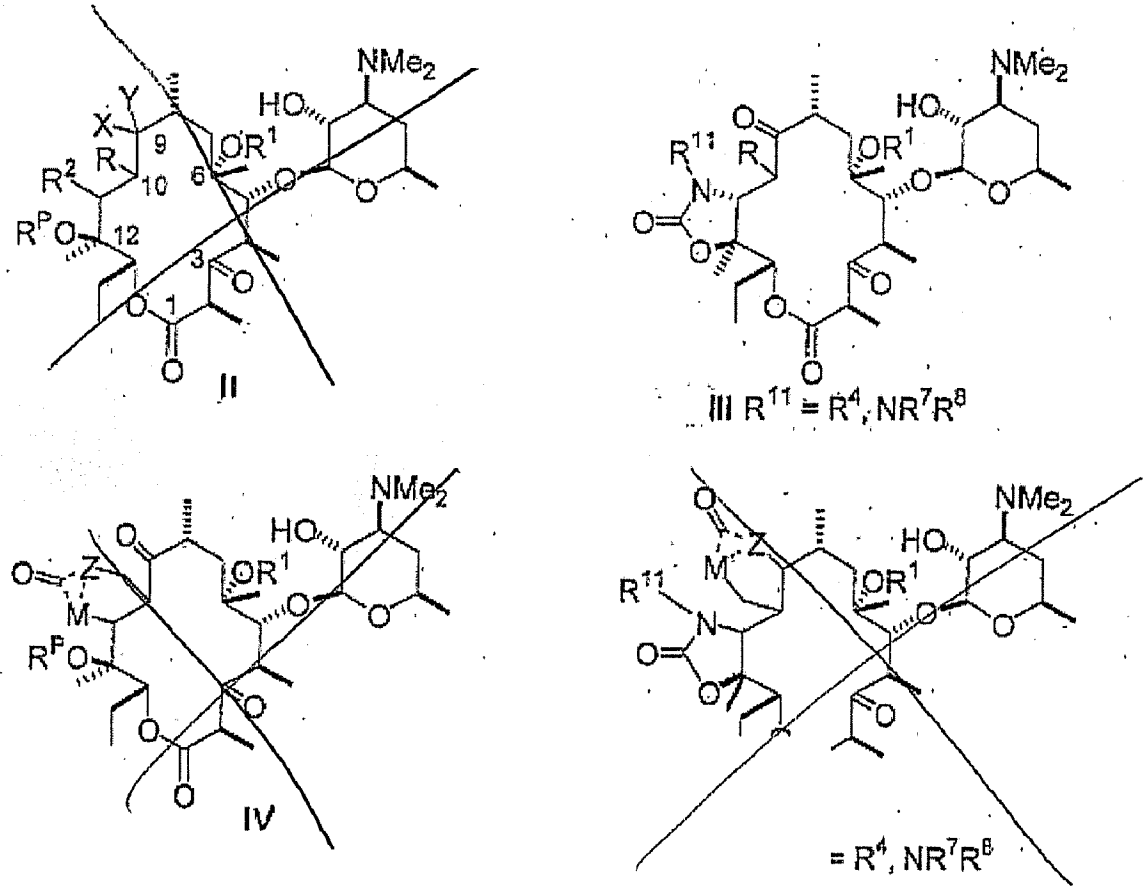
IN THE CLAIMS

1-5. (Cancelled)

6. (Currently Amended) A 10-desmethyl macrolide comprising ~~Macrolides as claimed in claim 1 of~~ formula ~~II, III;, IV or V~~



(1) R is methyl substituted with one or more substituents selected from the group consisting of

(i) CN,

(ii) F,

(iii)CO_2R^3 wherein R^3 is selected from hydrogen, C_1-C_3-alkyl or aryl substituted C_1-C_3-alkyl, or heteroaryl substituted C_1-C_3-alkyl,

(iv) OR^4 wherein R^4 is selected from hydrogen, C_1-C_4-alkyl or aryl substituted C_1-C_4-alkyl, or heteroaryl substituted C_1-C_4-alkyl, heterocycloalkyl and optionally substituted cycloalkyl, C_1-C_3-alkoxy-C_1-C_3-alkoxy, C_2-C_4-alkenyl or aryl substituted C_2-C_4-alkenyl, or heteroaryl substituted

C_2-C_4-alkenyl, heterocycloalkyl and optionally substituted cycloalkyl, aryl or optionally substituted aryl, heteroaryl or optionally substituted heteroaryl,

(v) $S(O)_nR^3$ wherein n =0, 1 or 2 and R^3 is as previously defined

(vi) $NR^4C(O)R^3$ wherein R^3 and R^4 are as previously defined

(vii)$NR^4C(O)NR^5R^6$ wherein R^4 is defined as defined previously, and R^5 and R^6 are independently selected from hydrogen, C_1-C_3-alkyl, C_1-C_3 alkyl substituted with aryl, substituted aryl, heteroaryl, substituted heteroaryl

(viii) NR^7R^8 wherein R^7 and R^8 are independently selected from the group consisting of

(a) hydrogen

(b) C_1-C_{12}-alkyl, and optionally substituted C_1-C_{12}-alkyl

(c) C_2-C_{12}-alkenyl, and optionally substituted C_2-C_{12}-alkenyl

(d) C_2-C_{12}-alkynyl, and optionally substituted C_2-C_{12}-alkynyl

(e) aryl, and optionally substituted aryl

(f) heteroaryl, and optionally substituted heteroaryl

(g) heterocycloalkyl, and optionally substituted heterocycloalkyl

(h) C_1-C_{12} alkyl substituted with aryl, and optionally substituted with substituted aryl

(i) C_1-C_{12} alkyl substituted with heteroaryl, and optionally substituted with substituted heteroaryl

(j) C_1-C_{12} alkyl substituted with heterocycloalkyl, and with optionally substituted heterocycloalkyl, and

(k) R^7 and R^8 taken together with the atom to which they are attached from a 3-10- membered heterocycloalkyl ring which may contain one or more additional heteroatoms and may be substituted with one or more substituents independently selected from the group consisting of

(aa) halogen, hydroxy, C_1-C_3-alkoxy, alkoxy-C_1-C_3- alkoxy, oxo, C_1-C_3-alkyl, aryl and optionally substituted aryl, heteroaryl and optional substituted heteroaryl

(bb) CO_2R^3 wherein R^3 is as previously defined, and

(cc) $C(O)NR^5R^6$ wherein R^5 and R^6 are as previously defined,

(ix) aryl, and optionally substituted aryl, and

(x) heteroaryl, and optionally substituted heteroaryl,

(2) C_2-C_{10}-alkyl,

(3) C_2-C_{10}-alkyl substituted with one or more substituents selected from the group consisting of

(i) halogen,

(ii) OR^4 wherein R^4 is as defined previously

(iii)-CHO,

(iv) oxo,

(v) (v) NR^7R^8 wherein R^7 and R^8 are defined as previously

(vi) =N-O-R^4 is wherein R^3 is as previously defined

(vii)-CN

(viii)-$S(O)_nR^3$ wherein n = 0, 1 or 2 and R^3 is as previously defined

(ix) aryl, and optionally substituted aryl

(x) heteroaryl, and optionally substituted heteroaryl

(xi) C_3-C_8-cycloalkyl, and optionally substituted C_3-C_8-cycloalkyl

(xii)heterocycloalkyl, and optionally substituted heterocycloalkyl

(xiii) $NR^4C(O)R^3$ where R^3 and R^4 are as previously defined

(xiv) $NR^4C(O)NR^5R^6$ wherein R^4, R^5 and R^6 are as previously defined

(xv) =N-NR^7R^8 wherein R^7 and R^8 are as previously defined

(xvi)=N-R^4 wherein R^4 is as previously defined

(xvii)=N-$NR^4C(O)R^3$ wherein R^3 and R^4 are as previously defined, and

(xviii)=N-$NR^4C(O)NR^5R^6$ wherein R^4, R^5 and R^6 are as previously defined,

(4) C_2-C_{10}-alkenyl,

(5) C_2-C_{10}-alkenyl substituted with one or more substituents selected from the group consisting of

(i) halogen,

(ii) OR^4 wherein R^4 is as previously defined

(iii) O-$S(O)_nR^3$ where n and R^3 are as previously defined

(iv)-CHO,

(v) oxo,

(vi)-CO_2R^3 where R^3 is as previously defined

(vii)-C(O)-R^4 where R^4 is as previously defined

(viii) -CN

(ix) aryl, and optionally substituted aryl

(x) heteroaryl, and optionally substituted heteroaryl

(xi) C_3-C_7-cycloalkyl

(xii) C_1-C_{12}-alkyl substituted with heteroaryl

(xiii)NR^7R^8 wherein R^7 and R^8 are as previously defined

(xiv) $NR^4C(O)R^3$ where R^3 and R^4 are as previously defined

(xv) $NR^4C(O)NR^5R^6$ where R^4, R^5 and R^6 are as previously defined

(xvi) =N-O-R^4 where R^4 is as previously defined

(xvii)=N-NR^7R^8 wherein R^7 and R^8 are as previously defined

(xviii) =N-NR^4 wherein R^4 is as previously defined

(xix)=N-$NR^4C(O)R^3$ wherein R^3 and R^4 are as previously defined, and

(xx)=N-$NR^4C(O)NR^5R^6$ wherein R^4, R^5 and R^6 are as previously defined,

(6) C_2-C_{10}-alkynyl

(7) C_2-C_{10}-alkynyl substituted with one or more substituents selected from the group consisting of

(i) trialkylsilyl

(ii) halogen,

(iii) -CN

(iv) OR^4 where R^4 is defined as previously

(v)-CHO,

(vi) oxo,

(vii)-CO_2R^3 where R^3 is as previously defined

(viii)-$C(O)NR^5R^6$ wherein R^5 and R^6 are as previously defined

(ix)NR^7R^8 wherein R^7 and R^8 are as previously defined

(x) O-$S(O)_nR^3$ where n and R^3 are as previously defined

(xi) C_3-C_7-cycloalkyl

(xii) C_1-C_{12}-alkyl substituted with heteroaryl

(xiii)aryl, and optionally substituted aryl

(xiv) heteroaryl, and optionally substituted heteroaryl

(xv) $NR^4C(O)R^3$ where R^3 and R^4 are as previously defined

(xvi) $NR^4C(O)NR^5R^6$ where R^4, R^5 and R^6 are as previously defined

(xvii) =N-O-R^4 where R^4 is as previously defined

(xviii)=N-NR^7R^8 wherein R^7 and R^8 are as previously defined

(xix)=N-$NR^4C(O)R^3$ wherein R^3 and R^4 are as previously defined, and

(xx)=N-$NR^4C(O)NR^5R^6$ wherein R^4, R^5 and R^6 are as previously defined,

(8) cyclic substituents

(i) aryl, and optionally substituted aryl

(ii) heteroaryl, and optionally substituted heteroaryl

(iii) heterocycloalkyl, and optionally substituted heterocycloalkyl, and

(iv) C_3-C_7-cycloalkyl, and optionally substituted C_3-C_7-cycloalkyl, and

(9) C_1 substituents with the exception of 10-methyl derivatives which are part of the above definitions under (1)

(i) -CHO

(ii) -CN

(iii)CO_2R^3 wherein R^3 is as previously defined

(iv) $C(O)NR^5R^6$ wherein R^5 and R^6 are as previously defined

(v) $C(S)NR^5R^6$ wherein R^5 and R^6 are as previously defined

(vi) $C(NR^4)NR^5R^6$ wherein R^4, N^5 and R^6 are as previously defined

(vii) (vii) CH=N-O-R^4 wherein R^4 is as previously defined
(viii) CH=N-R^4 is wherein R^4 is as previously defined
(ix) CH=N-NR^7R^8 wherein R^7 and R^8 are as previously defined
(x) CH=N-$NR^4C(O)R^3$ wherein R^3 and R^4 are as previously defined, and
(xi) CH=N-$NR^4C(O)NR^5R^6$ wherein R^4, R^5 and R^6 are as previously defined;
R^1 is selected from the group consisting of
(1) H
(2) methyl
(3) methyl substituted with one or more substituents selected from the group consisting of
(i) F
(ii) -CN
(iii)-CO_2R^{11} where R^{11} is C_1-C_3-alkyl or aryl substituted C_1-C_3-alkyl, or heteroalkyl substituted C_1-C_3-alkyl
(iv) -$C(O)NR^5R^6$ wherein R^5 and R^6 are defined as previously
(v) aryl, and optionally substituted aryl, and
(vi) heteroaryl, and optionally substituted heteroaryl
(4) C_2-C_{10}-alkyl
(5) substituted C_2-C_{10}-alkyl with one or more substituents selected from the group consisting of
(i) halogen,
(ii) OR^4 where R^4 is defined as previously
(iii) C_1-C_3-alkoxy-C_1-C_3-alkoxy
(iv)-CHO
(v) oxo
(vi)NR^7R^8 wherein R^7 and R^8 are as previously defined
(vii) =N-O-R^4 where R^4 is as previously defined
(viii) –CN
(ix) -$S(O)_nR^3$ where n = 0, 1, or 2 and R^3 is as previously defined
(x)aryl, and optionally substituted aryl
(xi) heteroaryl, and optionally substituted heteroaryl
(xii) C_3-C_8-cycloalkyl, and optionally substituted C_3-C_8-cycloalkyl
(xiii) C_1-C_{12}-alkyl substituted with heteroaryl, and optionally substituted heteroaryl
(xiv) heterocycloalkyl
(xv) $NHC(O)R^3$ where R^3 is as previously defined
(xvi) $NHC(O)NR^5R^6$ where R^5 and R^6 are as previously defined
(xvii)=N-NR^7R^8 wherein R^7 and R^8 are as previously defined

(xviii) =N-R^4 wherein R^4 as previously defined, and

(xix)=N-NHC(O)R^3 wherein R^3 is as previously defined,

(4) C_1-C_{10}-alkenyl substituted with one or more substituents selected from the group consisting of

(i) halogen,

(ii) OR^4 where R^4 is as previously defined

(iii)-CHO

(iv) oxo

(v) -$S(O)_nR^3$ where n and R^3 are as previously defined

(vi) -CN

(vii) -CO_2R^3 where R^3 is as previously defined

(viii)NR^7R^8 wherein R^7 and R^8 are as previously defined

(ix) =N-O-R^4 where R^4 is as previously defined

(x) -C(O)-R^4 where R^4 is as previously defined

(xi) -C(O)NR^5R^6 wherein R^5 and R^6 are as previously defined

(xii)aryl, and optionally substituted aryl

(xiii) heteroaryl, and optionally substituted heteroaryl

(xiv) C_3-C_7-cycloalkyl

(xv) C_1-C_{12}-alkyl substituted with heteroaryl

(xvi) NHC(O)R^3 where R^3 is as previously defined

(xvii) NHC(O)NR^5R^6 where R^5 and R^6 are as previously defined

(xviii)=N-NR^7R^8 wherein R^7 and R^8 are as previously defined

(xix) =N-R^4 wherein R^4 is as previously defined,

(xx)=N-NHC(O)R^3 wherein R^3 is as previously defined, and

(xxi) =N-NHC(O)NR^5R^6 wherein R^5 and R^6 are as previously defined,

(5) C_2-C_{10}-alkynyl, and

(6) C_2-C_{10}-alkynyl substituted with one or more substituents selected from the group consisting of

(i) halogen,

(ii) OR^4 where R^4 is defined as previously

(iii)-CHO

(iv) oxo

(v) -CO_2R^3 where R^3 is as previously defined

(vi) -C(O)NR^5R^6 wherein R^5 and R^6 are as previously defined

(vii) -CN

(viii)NR^7R^8 wherein R^7 and R^8 are as previously defined

(ix) =N-O-R^4 where R^4 is as previously defined

(x) $-S(O)_nR^3$ where n and R^3 are as previously defined
(xi)aryl, and optionally substituted aryl
(xii) heteroaryl, and optionally substituted heteroaryl
(xiii) C_3-C_7-cycloalkyl
(xiv) C_1-C_{12}-alkyl substituted with heteroaryl
(xv) $NHC(O)R^3$ where R^3 is as previously defined
(xvi) $NHC(O)NR^5R^6$ where R^5 and R^6 are as previously defined
(xvii)$=N-NR^7R^8$ wherein R^7 and R^8 are as previously defined
(xviii) $=N-R^4$ wherein R^4 is as previously defined
(xix)$=N-NHC(O)R^3$ wherein R^3 is as previously defined, and
(xx) $=N-NHC(O)NR^5R^6$ wherein R^5 and R^6 are as previously defined;
R^2 is selected from the group consisting of
(1) hydrogen
(2) OH
(3) OR^3 where R^3 is as previously defined
(4) $OC(O)R^3$ where R^3 is as previously defined, and
(5) $O(CO)OR^3$ where R^3 is as previously defined;
and X and Y taken together are selected from the group consisting of
(1) O
(2) NOR^4 wherein R^4 is as defined previously
(3) N-O $C(R^9)(CR^{10})$-O-R^4 where R^4 is as previously defined and
(i) R^9 and R^{10} are each independently defined as R^4, or
(ii)R^9 and R^{10} are taken together with the atom to which they are attached form a C_3-C_{12} cycloalkyl ring,
(4) NR^4 wherein R^4 is as previously defined, and
(5) $N-NR^7R^8$ wherein R^7 and R^8 are as previously defined, or one of X and Y is hydrogen and the other is selected from the group consisting of
(1) $-OR^4$ wherein R^4 is as previously defined, and
(2) $-NR^7R^8$ wherein R^7 and R^8 are as previously defined.
R^P is selected from the group consisting of
(1) hydrogen
(2) R^3 as previously defined
(3) COR^3 where R^3 is as previously defined;
subject to the proviso that when the structure is IV, Z and M are part of a five- or six- membered ring, said rings optionally being fully or partially unsaturated; for the six- membered ring, the bonding between Z and M is through a carbonyl group; for the five- membered ring, the bonding

is directly between Z and M excluding CO; Z and M are independently selected from the group consisting of carbon, oxygen or N; and when M = N a second bridge may exist between this nitrogen and the oxygen of the 12-OH group whereby either an additional annulated oxazole or oxazine ring constitutes part of the molecule; and subject to the proviso that when the structure is V, Z and M are part of a five- or six- membered ring, said rings optionally being fully saturated or fully or partially unsaturated; for the six-membered ring, the bonding between Z and M is through a carbonyl group; for the five-membered ring, the bonding is directly between Z and M excluding CO; Z and M are independently selected from the group consisting of carbon, oxygen or nitrogen; and when M = N a second bridge may exist between this nitrogen and the urethane nitrogen;

wherein aryl groups have 5 to 10 ring atoms, and heteroaryl groups have 5 to 10 ring atoms including C and at least one of N, O or S.

7. (Currently Amended) A pharmaceutical composition comprising an antibiotic 10-desmethyl macrolide of claim 6~~1~~ and a pharmaceutical excipient.

8. (Cancelled)

9. (Currently Amended) A method of treatment of a human or animal subject to combat bacterial infection thereof, which method comprises administering to said subject an antibiotic 10-desmethyl macrolide of claim 6~~1~~.

10. (Cancelled)